ZHONE

SHDSL Network Extenders 2000

SNE2000G-S, SNE2000G-P, SNE2000G-Kit1

High speed packet based SHDSL Network Extender/CPE

- ✓ *Extends Ethernet services over a simple twisted copper pair using SHDSL*
- ✓ *Supports selectable data rates up to 2.3 Mbps (symmetrical)*
- ✓ *Minimizes truck rolls with 'Plug & Play' operation with NO configuration requirements*
- ✓ *Connects directly to any 10/100 Mbps Ethernet port on a PC or LAN*
- ✓ *Can be used with other SNE's, EtherXtend CPE, the SUD2011-12, or the SMD2000-24 in point-to-point configurations*
- ✓ *Can be used with the Zhone MALC, EtherXtend, or IPD4000E/12000E IP-DSLAM products*

The SNE2000G allows Carriers, ISPs and PTTs to deliver Ethernet services to virtually anywhere, using standard SHDSL circuits. The SNE2000G offers up to 2.3 Mbps of extremely reliable and efficient Ethernet service over the WAN, delivering the bandwidth required to support a sophisticated new generation of small and medium business customers.

The SNE2000G features a single SHDSL port, capable of up to 2.3 Mbps bandwidth, and can be connected directly to any 10/100 Mbps Ethernet port on a PC or LAN to extend Ethernet over simple twisted-wire pairs. The SNE2000G can be used in a point-to-point configuration with other SHDSL Network Extenders as well as with EtherXtend Ethernet in the First Mile (EFM) CPE, or it can be used to terminate SHDSL lines from both Zhone's MALC Multi-service Access Loop Carrier or the IPD4000E/12000E IP-DSLAM.

The SNE2000G is designed for ease-of-use; configuration requirements are removed completely, allowing this device to be installed into the customer premise quickly and cost-effectively. The SNE2000G is based on Ethernet transport technology over standard SHDSL lines, providing a 100% Ethernet-based access technology for optimum usability, throughput and reliability.

DATASHEET

SHDSL Network Extenders 2000

Technical Specifications

Dimensions

- 1.25" x 5.5" x 4.5" (HxWxD)
- 3.2cm x 14cm x 11.5cm (HxWxD)

Weight

- 0.6 lbs (0.28 kg)

Power

- 100-125VAC @ 0.10A
- 200-240VAC @ 0.05A

Interfaces

- 1 SDSL Hybrid RJ11/RJ45
- 1 Ethernet RJ45

Standards Support

- IEEE 802.3 Ethernet
- ITU G.991.2 G.SHDSL

Protocol Support

- Transparent Bridging

Bandwidth/Distance

- 8 switchable data speeds from the provider unit (272, 400 528, 784, 1040, 1552, 2064 and 2320kbps)
- 9 switchable data speeds from the DSLAM Management - as above plus 144kbps

Regulatory Compliance

- EMC: FCC Part 15; CSA/C108.8; EN55022; EN55024
- Safety: UL1950, CSA C22.2 No. 950; EN60950
- CE Marking

Operating Requirements

- Temperature: 32ºF to 122ºF (0ºC to 50ºC)
- Non-operating: -40ºF to 158ºF (-40ºC to 70ºC)
- Humidity: 5% to 95%, non-condensing
- Altitude: -200ft to 16,500ft (-60m to 5,000m)

Ordering Information

SHDSL Network Extenders - Single Units

SNE2000G-S-US	SHDSL Subscriber unit with NA Power Supply
SNE2000G-S-EU	SHDSL Subscriber unit with EUPower Supply
SNE2000G-S-UK	SHDSL Subscriber unit with UK Power Supply
SNE2000G-P-US	SHDSL Provider unit with NA Power Supply
SNE2000G-P-EU	SHDSL Provider unit with EUPower Supply
SNE2000G-P-UK	SHDSL Provider unit with UK Power Supply

SHDSL Network Extender Kits

SNE2000G-KIT1US	SHDSL Point-to-Point kit - includes (1) SNE2000G-S + (1) SNE2000G-P with NA Power Supplies
SNE2000G-KIT1EU	SHDSL Point-to-Point kit - includes (1) SNE2000G-S + (1) SNE2000G-P with EUPower Supplies
SNE2000G-KIT1UK	SHDSL Point-to-Point kit - includes (1) SNE2000G-S + (1) SNE2000G-P with UK Power Supplies

ZHONE

Zhone Technologies, Inc.
@ Zhone Way
7001 Oakport Street
Oakland, CA 94621
510.777.7000 phone
www.zhone.com

For more information about Zhone and its products, please visit the Zhone Web site at www.zhone.com or e-mail info@zhone.com

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